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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Applicants : Pirooz Vatan, C. Harry Knowles, Xiaoxun Zhu and  
Constantine J. Tsikos  
Application Serial No.: 10/068,462  
Filing Date : February 7, 2002  
Title: METHOD OF AND SYSTEM FOR PRODUCING HIGH-  
RESOLUTION 3-D IMAGES OF 3-D OBJECT SURFACES  
HAVING ARBITRARY SURFACE GEOMETRY  
Examiner : Thien Le  
Group Art Unit : 2874  
Attorney Docket No. : 108-151USAN10

Honorable Commissioner  
of Patents and Trademarks  
Washington, D.C. 20231

entered  
9/6/05  
amw

**AMENDMENT TO THE SPECIFICATION**

Sir:

Prior to issuance of the above-referenced Patent Application, please amend the same as follows:

**AMENDMENT TO THE SPECIFICATION:**

Please amend the Specification as follows:

**On Page 81**, amend the fifth paragraph as follows:

Fig. ~~1122B~~ 1123B is a schematic representation of a second illustrative embodiment of the system shown in Fig. 1120, wherein an electro-mechanical mechanism is used to generate a rotating maltese-cross aperture (or other spatial intensity modulation plate) disposed before the pupil of the IFD Subsystem, so that the wavefront of the return PLIB is spatial intensity modulated at the IFD subsystem in accordance with the principles of the present invention;

**On Page 84**, amend the first and second paragraphs as follows:

Fig. ~~1125B2~~ 1125B2 is an elevated side view of the PLIIM-based system of Fig. 1125B1, showing the optical path traveled by the PLIB produced from one of the PLIMs during object illumination operations, as the PLIB is micro-oscillated in orthogonal dimensions by the 2-D

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